

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [Cooler Master](#) /
- › [Cooler Master MasterFan MF120 Halo White Edition PC Case Fan Instruction Manual \(Model: MFL-B2DW-183PA-R1\)](#)

Cooler Master MFL-B2DW-183PA-R1

Cooler Master MasterFan MF120 Halo White Edition PC Case Fan Instruction Manual

Model: MFL-B2DW-183PA-R1

Brand: Cooler Master

1. PRODUCT OVERVIEW

The Cooler Master MasterFan MF120 Halo White Edition is a 120mm PC case fan designed for efficient cooling and vibrant Addressable Gen2 RGB lighting. This fan features dual-loop ARGB illumination, silent cooling technology, and a hybrid fan blade design for optimal airflow and air pressure. It is compatible with various ARGB motherboard software for synchronized lighting effects.



Image 1: Cooler Master MasterFan MF120 Halo White Edition PC Case Fan (3-pack shown with controller).

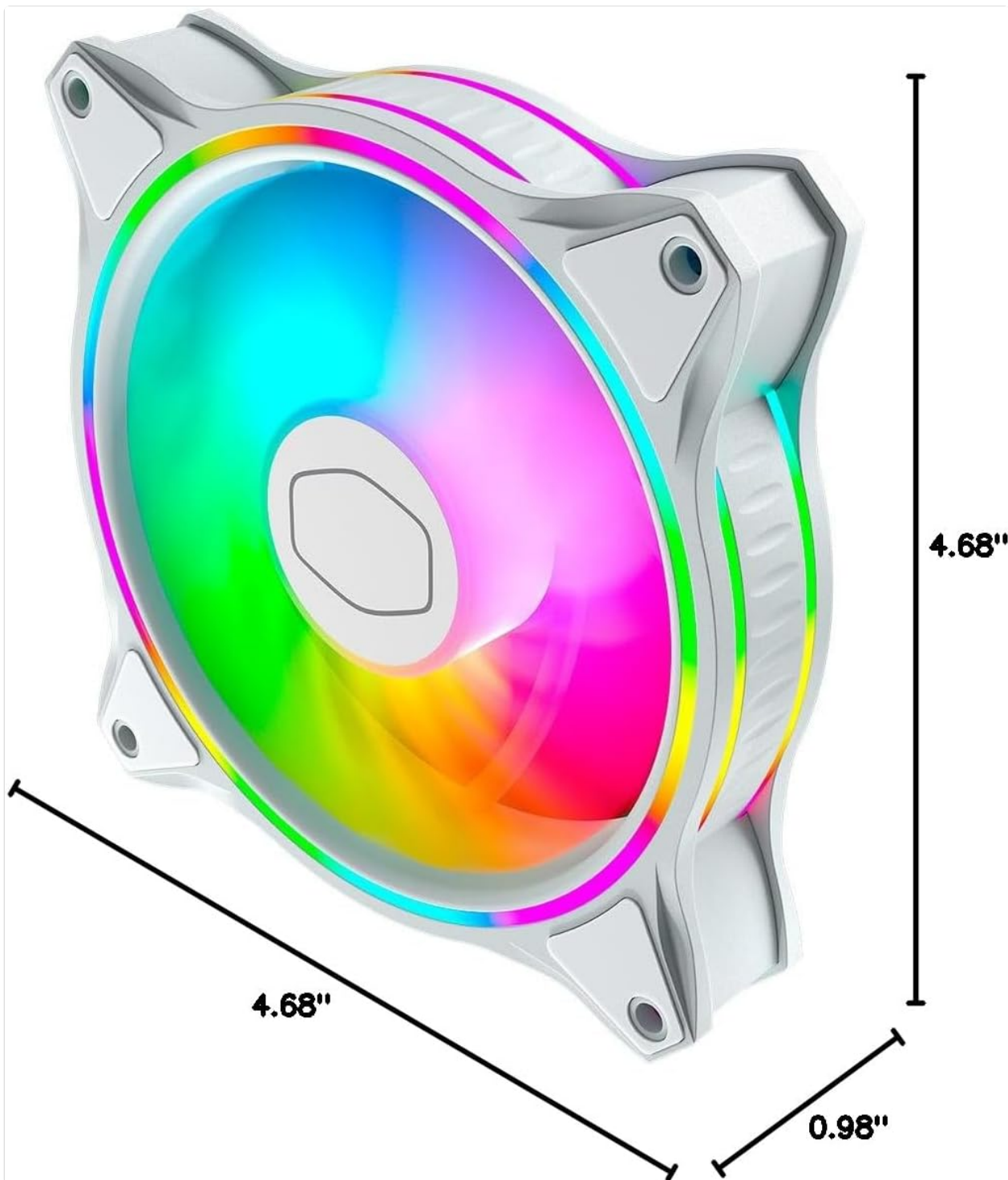


Image 2: Dimensions of the MasterFan MF120 Halo White Edition PC Case Fan, measuring 4.72 inches (L) x 4.72 inches (W) x 0.98 inches (H).

2. SETUP AND INSTALLATION

2.1 Unboxing and Components

Carefully unpack the fan and its accessories. Ensure all components are present:

- MasterFan MF120 Halo White Edition PC Case Fan(s)
- Mounting screws or vibration-free mounts
- ARGB connector clips (if included with multi-pack)
- Adapter cables (if included for daisy-chaining)

2.2 Installation Guide

Follow these steps to properly install your Cooler Master MasterFan MF120 Halo:

1. **Determine Airflow Direction:** Before mounting, identify the desired airflow direction. The fan blade side typically indicates the direction of airflow into the fan, while the fan frame side indicates airflow out.
2. **Mounting the Fan:** Secure the fan to your PC case or radiator using the provided screws or vibration-free mounts. For vibration-free mounts, pull the end through the fan mounting holes and secure it to the case. For screws, use a screwdriver to fasten the fan to the case.
3. **Connect to Motherboard:** Connect the fan's 4-pin header to an available fan socket on your motherboard. For ARGB lighting, connect the ARGB connector to a compatible 3-pin ARGB header on your motherboard or an ARGB controller. Use any included ARGB connector clips to ensure a secure connection.

Video 1: A detailed tutorial demonstrating the installation process for a case fan, including identifying airflow direction, using vibration-free mounts, and securing with screws. This video is provided by THERMALRIGHT.EUR.

Video 2: A general PC build video showcasing the installation of various components, including case fans, within a Cooler Master Elite 301 Panda case. This video is provided by Cooler Master.

3. OPERATING INSTRUCTIONS

3.1 ARGB Lighting Control

The MasterFan MF120 Halo features dual-loop Addressable Gen2 RGB lighting. Once connected to a compatible ARGB header on your motherboard or an ARGB controller, you can customize the lighting effects using your motherboard's software (e.g., ASUS Aura, ASRock RGB, MSI RGB) or Cooler Master's MasterPlus+ software if using a compatible hub.

Video 3: An official video from Cooler Master showcasing the various ARGB lighting effects and customization options of the Halo series fans within a PC build.

3.2 Fan Speed Control

The fan speed can be controlled via your motherboard's BIOS settings or dedicated fan control software. The MF120 Halo supports PWM (Pulse Width Modulation) for precise speed adjustments, allowing for a balance between cooling performance and noise levels.

4. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your fan:

- **Cleaning:** Periodically clean the fan blades and frame to remove dust buildup. Use a soft brush or compressed air. Ensure the fan is powered off before cleaning.
- **Cable Management:** Ensure all cables are neatly routed and secured using the provided clips or cable ties to prevent interference with fan operation or other components.

5. TROUBLESHOOTING

If you encounter issues with your MasterFan MF120 Halo, refer to the following common troubleshooting steps:

- **Fan Not Spinning:**

- Check if the 4-pin fan header is securely connected to the motherboard.
 - Verify that the fan power settings in your motherboard's BIOS are correctly configured.
- **RGB Not Working or Flickering:**
 - Ensure the 3-pin ARGB connector is properly seated on the motherboard's ARGB header or controller.
 - Confirm compatibility with your motherboard's ARGB software and that the software is up-to-date.
 - Check for any loose ARGB connector clips.
- **Excessive Noise:**
 - Ensure the fan is securely mounted and not vibrating against the case.
 - Check for any cables or obstructions interfering with the fan blades.
 - Clean any dust buildup on the fan blades.

6. SPECIFICATIONS

Feature	Specification
Product Dimensions	4.72"L x 4.72"W x 0.98"H
Brand	Cooler Master
Power Connector Type	4-Pin
Voltage	110 Volts
Wattage	3 watts
Cooling Method	Air
Compatible Devices	Desktop
Noise Level	30 Decibels
Material	Tile
Maximum Rotational Speed	2000 RPM
Air Flow Capacity	47.2 Cubic Feet Per Minute
Item Model Number	MFL-B2DW-183PA-R1
Item Weight	6.8 ounces

7. WARRANTY AND SUPPORT

The Cooler Master MasterFan MF120 Halo White Edition comes with a 5-year EU Spare Part Availability Duration. For specific warranty terms, technical support, or service inquiries, please refer to the official Cooler Master website or contact their customer support directly.

